United States Patent [19]

Goodrich

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[54] **UNDER-HAND PROJECTOR**

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[52] **U.S. Cl.** **358/185**; 358/102; 434/307

[58] **Field of Search** 358/185, 102, 93, 229; 434/307

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[57] **ABSTRACT**

A projection system is provided for projecting an image from a lecturer to an audience for viewing by the lecturer, a present audience, and/or a television audience while maintaining a face-to-face orientation between the lecturer and audience. The system comprises a lecturn having a top surface, at least a part of which is translucent. The image is operatively positioned on the translucent part of the lecturn from above or below the top surface thereof. A video camera operatively connected to a video monitor is focused on the image so that the image is received by the video camera and conveyed to the video monitor. The audience views the image on the video monitor while the lecturer views another monitor and the image on the translucent part of the lecturn while remaining in a face-to-face orientation with the audience. Mirrors are used to focus the camera on the image. The camera may also be connected to a video switcher for incorporation in television productions or to a radio frequency modulator so that normal television receivers may be employed instead of monitors. Audio can also be transmitted through the modulator.

8 Claims, 5 Drawing Figures